



Southowram Urban Sanitary

AUTHORITY.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

FOR 1898.

B. E. I. EDWARDS, Medical Officer of Health.



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ANNUAL REPORT

FOR THE YEAR 1898.

*To the Chairman and Members of the Southowram
Urban District Council.*

GENTLEMEN,

I beg to lay before you my Report on the Vital Statistics and Sanitary Conditions of the District for the year 1898.

The main feature of the year was the outbreak of Scarlatina in the month of November, which necessitated the closure of Brookfoot Board School. The Death Rate for the year is somewhat above the average of the previous ten years, viz :—19·7 as against 17·7.

The Sanitary Condition of the District is being brought year by year more into line with modern requirements, and is generally satisfactory.

By the kindness of the Rev. G. E. Aspinall I am again in a position to add a table of Rainfall during the year.

I beg to remain, Gentlemen,

Your faithful Servant,

B. E. I. EDWARDS, M.B. & C.M.

F.R.I.P.H.

Medical Officer of Health.

VITAL STATISTICS.

Acreage.—At the census of 1891 the area of the Board's district was 1,825 acres.

Population.—The population at the census of 1891 was 3,058, consisting of 1,596 males and 1,462 females. The number of inhabited houses was 622, while 59 were uninhabited. The population estimated to the middle of 1898, and which forms the basis of the following calculations, is 3,143.

Births.—The births during the year number 76, composed of 39 males and 37 females, being equivalent to an annual rate of 24·18 per thousand, as compared with 22·40 last year, and an average for the previous five years of 21·41.

Deaths.—The deaths number 64. Of these 2 were non-residents; one being a case of drowning reported to the Coroner, and the other an inmate of the Shibden Industrial School. Of the 62 Residential Deaths, 34 were males and 28 females being equivalent to an annual rate of 19·72 per thousand, as compared with 16·64 last year, and an average for the preceding five years of 17·44. The Death Rate for the whole of England and Wales during the same period being 17·6.

Table E, which gives among other information the death rates for each month of the year shews that the bulk of the deaths occurred in infants, and during the middle years of life, from 25 to 65; the percentage being 57·36 of the total deaths.

Respiratory Diseases account for 14·7 per cent., phthisis for 13·1 per cent., and Infectious Diseases for 11·4 per cent., an unusually large figure.

Eleven deaths were reported to the Coroner, and one was uncertified.

The Infant Mortality is 224 as compared with 161 in the whole of England and Wales.

INFECTIOUS DISEASES.

Nineteen cases of Infectious Diseases have been notified, of which an analysis will be found in Table G.

During the month of November, cases occurred so rapidly, principally in families whose children attended the Brookfoot Board School, that it was considered advisable to close this school for a fortnight and have it thoroughly cleansed. Although it is impossible to ascertain exactly how the outbreak originated, there is no doubt this School served as the principal means for its dissemination.

The lower portion of the School is very damp, and the Sanitary Conveniences attached to it are by no means above suspicion.

FOODS AND DRUGS.

Two Samples of Milk were taken, and reported on favourably by the County Analyst.

FACTORIES AND WORKSHOPS.

The factories and workshops in the district coming under the above Act have been inspected and found to be in good sanitary condition.

VITAL STATISTICS FOR THE YEAR 1898.

1898.	ENGLAND AND WALES.	Thirty- three Great Towns.	Sixty-seven other Large Towns.	England and Wales <i>less</i> the 100 Towns.
BIRTH-RATE . . .	29·4	—	—	—
DEATH-RATE . . .	17·6	19·0	17·2	16·7
Zymotic Death-rate .	2·22	2·85	2·41	1·75
Infantile Mortality. .	161	178	173	145

(A) TABLE OF **DEATHS** during the Year 1898, in the Southwram Urban District, classified according to DISEASES, AGES, and LOCALITIES.

[illegible]

The subjoined numbers have also to be taken into account in judging of the above records of mortality.

[illegible]

(B.) TABLE of **Population, Births, and of New Cases of Infectious Sickness**, coming to the knowledge of the Medical Officer of Health, during the year 1898, in the Southowram Urban Sanitary District; classified according to DISRASES, AGES and LOCALITIES.

POPULATION AT ALL AGES.		Registered Births.	Aged under 5 or over 5	NEW CASES OF SICKNESS IN EACH LOCALITY, COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.														NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TREATMENT IN ISOLATION HOSPITAL																	
Last Census.	Estimated to middle of 1898			1	2	3	4	5	FEVERS.				6	7	8	9	10	11	12	13	1	2	3	4	5	FEVERS.				6	7	8	9	10	11	12	13
(b)	(c)	(d)	(e)	Smallpox	Scarlatina	Diphtheria	Membranous	Croup	Typhus	Enteric	Typhoid	Contin'd	Relapsing	Puerperal	Cholera	Erysipelas	Smallpox	Scarlatina	Diphtheria	Membranous	Croup	Typhus	Enteric	Typhoid	Contin'd	Relapsing	Puerperal	Cholera	Erysipelas						
3058	3143	76		15					3						1			12				1													

TABLE C. 1898.

SOUTHROWRAM SANITARY DISTRICT.

MEDICAL OFFICER OF HEALTH, B. E. I. EDWARDS.

SANITARY INSPECTOR, R. NICHOLL.

WATER SUPPLY—

Quality, Good. Action on Lead, Slight.

Any extensions or change during 1898? None.

Any inadequacy in any part? None.

SEWERAGE AND SEWAGE DISPOSAL—

Extensious or Improvements during 1898? None.

SCAVENGING—

Are the privy-middens, etc., cleansed by Sanitary staff, by Contractors, or by Owners and Tenants? Tenants.

ADOPTIVE ACTS—

Public Health Acts (Amendment) Act, 1890, Part 3; adopted, 1897.

Infectious Disease (**Prevention**) Act, 1890. No.

What was the amount paid to practitioners under the Infectious Disease (Notification) Act during 1898? £1 0 0.

BY-LAWS—

Any adopted or sanctioned during 1898? No.

Are they properly enforced? } Under Revision.
Any defficiency? }

ISOLATION HOSPITAL—Brighthouse Joint Hospital.

DWELLINGS—

Number of Houses built during 1898? None.

Houses unfit for habitation? None. Overcrowding? None.

Overcrowding of houses on *area*? None.

Any action taken under the Housing of the Working Classes Act, 1890? No.

METEOROLOGY—Rainfall 28.74 inches.

GEOLOGY—Nature of Soil, Sandy. Subsoil, Sandstone.

MISCELLANEOUS—

Is House-to-house Inspection systematically made? Yes.

Total No. of Nuisances in hand at close of 1897, 1. At close of 1898, None. Reported during 1898, 33. Abated during 1898, 34.

Total No. of Summonses or other Legal Proceedings, None.

No. of Sink wastes disconnected during 1898, 18.

„ „ trapped „ 18.

No. of Closets constructed during 1898, 6. Kinds, Privy Middens.

Any diseases peculiarly endemic in the district? No.

Any information as to number of deaths from cancer of all kinds during 1898? 3.

Any information as to the number of deaths from Tabes Mesenterica? None.

Vaccination—General efficiency, no information.

WHAT ACTION HAS BEEN TAKEN IN REGARD TO THE FOLLOWING MATTERS ?

Seizure of Unsound Food, None. Prosecutions, None.

Samples under Sale of Food and Drugs Acts, 2 taken. Prosecutions, None.

River Pollution, None. Smoke Abatement, None.

Inspection of Factories and Workshops, Result of Inspection Satisfactory.

Schools—No. in District, 2. No. closed on account of outbreaks of nisease, 1. Total duration of closure from the cause, 2 weeks.

Burial Grounds—No. in District, 3. Any need for oxtension ? No.

BIRTHS—Males, 39 ; Females, 37 ; Total, 76.
Number illegitimate, included in the above, Unknown.
Any information as to Still Birth, None.

DEATHS—Males, 36 ; Females, 28 ; Total 64.
Number uncertified, included in the above, 1.

Sanitary Requirements of District, and Suggestions of Medical Officer of Health :—

25 Ashpits still uncovered require attention.

RATEABLE VALUE as stated in Valuation List	Value upon which the General District Rate is Assessed.			Rate in the £ 1897.
	Full Rateable Value (Houses, etc.)	One-fourth Rateable Value (Land, etc.)	Two-thirds Rateable Value (where owner is assessed).	
(1)	(2)	(3)	(4)	
£11,918 5s. 0d.	£8,166 10s. 0d.	£937 18s. 9d.		2s. 6d.

(D) TABLE OF BIRTH AND DEATH RATES, &c., for 1898,
and for the preceding Ten Years.

	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898
Birth Rate.....	22.4	23.3	22.4	23.2	21.9	20.2	20.5	25.3	19.02	22.04	24.18
Death Rate.....	13.5	18.1	21.2	14.8	22.3	18.9	19.2	21.2	11.28	16.64	19.72
Respiratory Death Rate.....	2.3	3.9	6.2	5.2	4.4	5.8	3.7	6.5	1.98	4.16	3.81
Phthisis Death Rate.....	2.0	1.9	2.6	1.7	4.1	2.4	2.4	2.0	0.99	2.56	2.54
Zymotic Death Rate.....	1.3	2.2	1.0	0.7	2.7	0.0	1.0	1.0	0.64	0.96	2.86

TABLE (E)

Monthly Table of Births and Deaths, etc., 1898.

Months.	Births.			Ages of the Dying.						CAUSES OF DEATH.												Per cent. of the Deaths.
	Deaths.			Infectious Diseases.						Other Prev. Dis.				Viol'nt Deaths			Uncertificated Deaths	Death Rate per 1,000 on the Estimated Monthly Population, 262	Reported to Coroner			
	Male	Female	Total	Smallpox	Scarlatina	Enteric Fever	Diphtheria & Croup	Typhus	Erisipelas	Puerperal Fever	Other Infect. Dis.	Phthisis	Pneumonia	Other Resp. Dis.	Diarrhoea	All other Diseases				Accident	Suicide		Homicide
January	2	0	2	3	1	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	19.05	1
February	9	1	10	3	1	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	11.43	1
March	1	3	4	1	...	1	...	...	...	...	...	...	...	...	...	...	2	...	...	...	11.43	1
April	5	7	12	1	...	...	1	...	...	...	...	1	...	...	...	...	3	...	...	...	19.05	...
May	0	1	1	...	...	1	...	...	...	...	...	1	...	...	...	...	1	...	...	...	11.43	1
June	1	0	1	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	22.86	1
July	4	4	8	2	...	1	...	...	...	...	...	2	...	...	...	...	3	...	...	...	22.86	...
August	3	7	10	1	3	1	...	...	...	2	...	1	...	...	...	...	4	...	1	...	26.67	1
September	4	2	6	4	2	...	...	...	...	...	4	...	...	...	...	...	1	...	...	...	30.48	...
October	4	5	9	2	...	1	...	...	...	...	...	2	...	...	...	...	2	...	2	...	19.05	...
November	4	4	8	3	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	19.05	...
December	2	3	5	1	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	19.05	2
Totals	39	37	76	17	7	4	3	18	12	...	...	8	1	8	2	...	30	4	...	...	11	1
	24.86 pr mille.	19.72 pr mille.										13.10	1.64	13.10	3.28		49.17	6.55			1.64	

[illegible]

(G) TABLE OF REPORTED CASES OF INFECTIOUS DISEASE.

DATE.	No. of Case	DISEASE.	RESULT.	REMARKS ON CONDITION OF PREMISES, &C.	REMOVED TO HOSPITAL OR NOT.
Aug. 23	1	Erysipelas	Recovery	Good	No.
Oct.	2	Typhoid Fever	„	Drains block in wet weather	Yes.
Nov. 2	3	Scarlatina	„	{ Uncovered Privy Midden— Water Supply from well Uncovered Privy Midden— Water Supply from well	Yes.
Dec. 8	3a	„	Death		Yes.
Nov. 7	4	„	Recovery		Yes.
Nov. 7	5	„	„	Uncovered Midden. Well.	Yes.
Nov. 7	6	„	„	„	Yes.
Nov. 9	7	„	„	Fairly good Water Supply well	Yes.
Nov. 12	7a	„	„	„ „	Yes.
Nov. 21	7b	„	„	„ „	Yes.
Nov. 22	7c	„	„	„ „	Yes.
Nov. 14	8	Typhoid Fever	„	Good	No.
Nov. 16	9	Scarlatina	Death	„ „	Yes.
Nov. 18	10	„	Recovery	„ „	No.
Dec. 6	11	„	„	„ „	Yes.
Dec. 18	12	„	„	Uncovered Midden. Well.	No.
Dec. 30	12a	„	„	„ „	No.
Dec. 28	13	„	„	Good	Yes.
Dec. 29	14	Typhoid Fever	„	Untrapped Sink Waste	No.

Several Cases occurring in one house are noted by the same number with a letter attached.

TABLE (H) — **RAINFALL** in 1898, at HALL INGS,
SOUTHOWRAM, in the County of York.

Rain Guage—Diameter of Funnel, 5 in.; Height of Top above
Ground, 7 in.; above Sea Level, 750 feet.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days on which .01 in. or more fell.
		Depth.	Date.	
January .	1.69	.38	5	13
February ..	2.45	.47	28	17
March ..	1.24	.29	1	13
April ..	2.75	.74	11	14
May ...	2.59	.37	19	19
June ...	2.70	1.09	26	16
July ...	1.18	.41	22	12
August ...	3.61	.63	3	17
September	.43	.22	29	8
October ...	4.28	.90	16	19
November	2.46	.73	22	17
December .	3.36	.74	26	21
Total ...	28.74			186

The Rainfall for 1898 has been 3.62 ins. below the average for the preceding eight years.

The maximum shade temperature of the year was 88 on Aug. 12th and Sep. 4th and 7th.

The minimum shade temperature of the year was 23 on Feb. 21st.

An inch of rain means a gallon of water spread over a surface of nearly two square feet, or a little over 100 tons upon an acre.

GEORGE E. ASPINALL.

SOUTHOWRAM SANITARY DISTRICT.

Inspector's Report of Sanitary Work, &c., completed in the year
ending December 31st, 1898.

Number of complaints received during the year	...	...	...	34
Number of inspections made	...	...	...	246

RESULTS OF INSPECTIONS.

Order issued for Sanitary amendments of houses and premises	...	...	...	...	...	...	...	<i>nil</i>
Houses disinfected after Infectious disease	...	...	...	...	...	...	...	28
Houses, premises, &c. cleansed	...	...	...	...	...	...	...	1

HOUSE DRAINS.

Repaired, cleansed, &c....	...	...	...	...	...	...	...	14
Trapped or ventilated	...	...	...	...	...	...	...	18

PRIVIES AND WATER CLOSETS.

Repaired, cleansed, &c....	...	...	...	...	...	...	...	1
New provided	...	...	...	...	...	...	...	6

ASH PITS.

Repaired and covered in	5
New provided	5

WATER SUPPLY.

Houses supplied with water	<i>nil</i>
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STREETS DRAINED.

Names and number connected to new drainage, 1 house, St. Peter's Square	1
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MISCELLANEOUS.

Number of lodging-houses registered under 35 clause of Sanitary Act, 1866	<i>nil</i>
Removal of accumulation of dung, stagnant water, animal or other refuse	...	...	...	...	...	...	...	1
Removal of animals improperly kept	...	...	...	...	...	...	...	<i>nil</i>
Number of licensed slaughter-houses regularly inspected	...	...	...	...	...	...	...	<i>nil</i>
Other proceedings, e. g., legal proceedings	...	...	...	...	...	...	...	<i>nil</i>
Number of Nuisances left unabated, ending 1897	...	...	...	...	...	...	...	1
„ „ „ abated, during 1898	...	...	...	...	...	...	...	34
„ „ „ unabated, ending 1898	...	...	...	...	...	...	...	<i>nil</i>

(Signed) R. NICHOLL,
Nuisance Inspector to Urban District Council,
Southowram.

